Office of Mines and Minerals

Division of Abandoned Mined Lands

Funded by the United States Department of Interior Federal Office of Surface Mining

Willis Coal Mine #1 and Square Deal Reclamation Project AML-GRaE-1307 Randolph and Perry Counties 2 LR

certified Copy

Square Deal

Perry County

Willis Coal Mine #1
Randolph County

SCHEDULE OF DRAWINGS:

- 1. Cover Sheet
- 2. Summary of Quantities/General Notes
- 3. Willis Coal Mine #1 Existing Conditions
- 4. Willis Coal Mine #1 Proposed Conditions
- 5. Square Deal Existing Conditions
- 6. Square Deal Proposed Conditions
- 7. Details

CONTRACT NO. M1307

Prepared By IDNR Staff

Approved for Bidding:

Michael L. Woods, Director Office of Mines and Minerals Approved By:

Sug Pinto

Greg Pinto, Acting Manager

AML Division

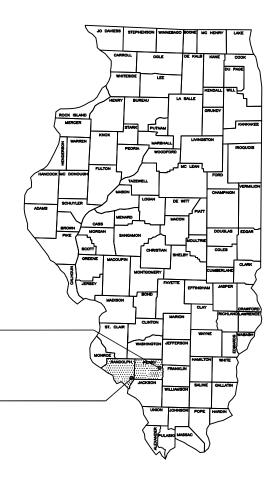
Approved By:

Janet Ugles

Janet L. Uglum, P.E.

IL Licensed Professional Engineer

No. 062-054108

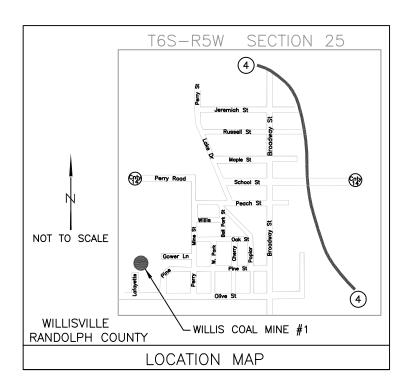


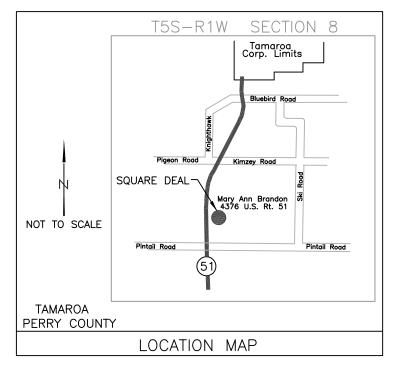
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Sheet

	Sumn	Quantities						
Item Number	#	Item	Section	WILLIS COAL MINE #1	Quantity SQUARE DEAL	TOTAL	Unit	Rates/Remarks
NRM20110	1	Special Clearing	201	0.5	0.5	1	L SUM	
NRM20480	2	Furnished Excavation	204	705	0	705		Compaction in Accordance
NRM21510	3	Special Excavation	215	963	368	1,331	CU YD	Compaction in Accordance with Section 205 of the Special Provosions
NRM21621	4	CA Fill, CA-1	216	5.5	104.0	109.5	TON	
NRM21644	5	Rock Fill, RR-4	216	20.0	828.4	848.4	TON	
NRM21661	6	Class SI Concrete Plug	216	11	0	11	CU YD	
NRM25040	7	Nitrogen Fertilizer Nutrient	250	30	50	80	POUND	100 LB / ACRE
NRM25050	8	,	250	45	75	120	POUND	150 LB / ACRE
NRM25060	9	r otacolarii i ortimzer iratilorit	250	105	175	280	POUND	350 LB / ACRE
NRM25070	10	1 - 13 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	250	1.5	2.5	4.0	TON	5 TONS / ACRE
NRM25090	11	Seeding	250	0.3	0.5	0.8	ACRE	·
25100115	12		IDOT 251	0.3	0.5	0.8	ACRE	
NRM28610	13		286	133	0	133	SQ YD	8 FT. WIDE STRIPS
40200800	14	· · · · · · · · · · · · · · · · · · ·	IDOT 402	30.0	15.0	45.0	TON	CA-6
NRM66610	15		666	1	1	2	EACH	
NRM67110	16	Mobilization (Max. 6% of Bid)	671	0.5	0.5	1	L SUM	





CONSTRUCTION NOTES

BURIAL/REMOVAL OF MATERIAL—Concrete and masonry debris designated for burial by the engineer shall be buried at least three feet below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Sections 201 of the Special Provisions.

TREE REMOVAL—Trees removed shall be disposed of per Section 201 of the Special Provisions. Trees shall be removed and disposed off site in both locations.

EROSION CONTROL—The contractor shall schedule his operations and take such precautions that may be necessary to prevent or minimize erosion. Failure to comply with this requirement shall cause the contractor to be fully responsible for repairing any eroded areas and cleaning up areas or drainage structures that have become silted in or damaged.

AGRICULTURAL GROUND LIMESTONE—Immediately prior to seed bed preparation, fertilizer nutrients and agricultural ground limestone shall be uniformly spread at the rates specified in the plans.

MULCHING—Within 24 hours from the time seeding has been performed, the seeded area shall be given a covering of mulch at the rates specified in the plans. The mulch is to be anchored into the soil in accordance with the requirements for Method 2, Procedure 1 of Article 251.03 of the Standard Specifications. If Excelsior or Special Excelsior Blanket is to be used, the blanket shall be placed the same day that the areas are seeded.

GENERAL NOTES

Unless otherwise noted on the plans, all disturbed areas within the construction limits will be amended with agricultural ground limestone, fertilizer, seeded and mulched per specifications.

ITEM

(unit)

SEEDING

(acres)

AGRICULTURAL

GROUND LIMESTONE

(tons)

NITROGEN

FERTILIZER NUTRIENT

(pounds)

PHOSPHOROUS FERTILIZER NUTRIENT

(pounds)
POTASSIUM

FERTILIZER NUTRIENT

(pounds)

MULCH, METHOD 2

PROCEDURE 1

(acre)

Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing

WILLIS

0.3

1.5

5 T/A

30

100 Lb./A

150 Lb./A

105

350 Lb./A

0.3

2 T/A

SPRING 2014 MARCH 15 - MAY 15

SQUARE

DEAL

0.5

2.5

5 T/A

50

100 Lb./A

150 Lb./A

175

350 Lb./A

0.5

2 T/A

TOTAL

QUANTITY

0.8

4.0

80

120

280

0.8

The contractor is responsible for visiting the site and familiarizing himself with the existing conditions and the proposed reclamation work prior to submitting a bid.

The contractor shall provide and pay for all field engineering services to execute the project as specified in the Field Engineering section of the Special Provisions.

The contractor is responsible for locating and protecting all existing utility lines pertaining to the work.

Unless noted on the plans, all onsite access roads may be used for construction and must be maintained during construction. Access the site as designated on the plans and maintained to the satisfaction of the Engineer.

The construction limits will be staked by the contractor prior to construction. The contractor is responsible for the repair and or restitution at his own expense for all damages done to any area outside the construction limits.

Application rates specified in the plans are shown in the Summary of Quantities-Rates/Remarks column.

The locations from which Borrow Excavation comes must meet the review requirements of Article 107.22 and Section 204 of the Special Provisions prior to hauling to the project sites.

Willis Coal Mine #1
and Square Deal
AML-GRaE-1307
Randolph and Perry Counties

Willis Coal Mine #1 Existing Conditions Sheet 3 of 7

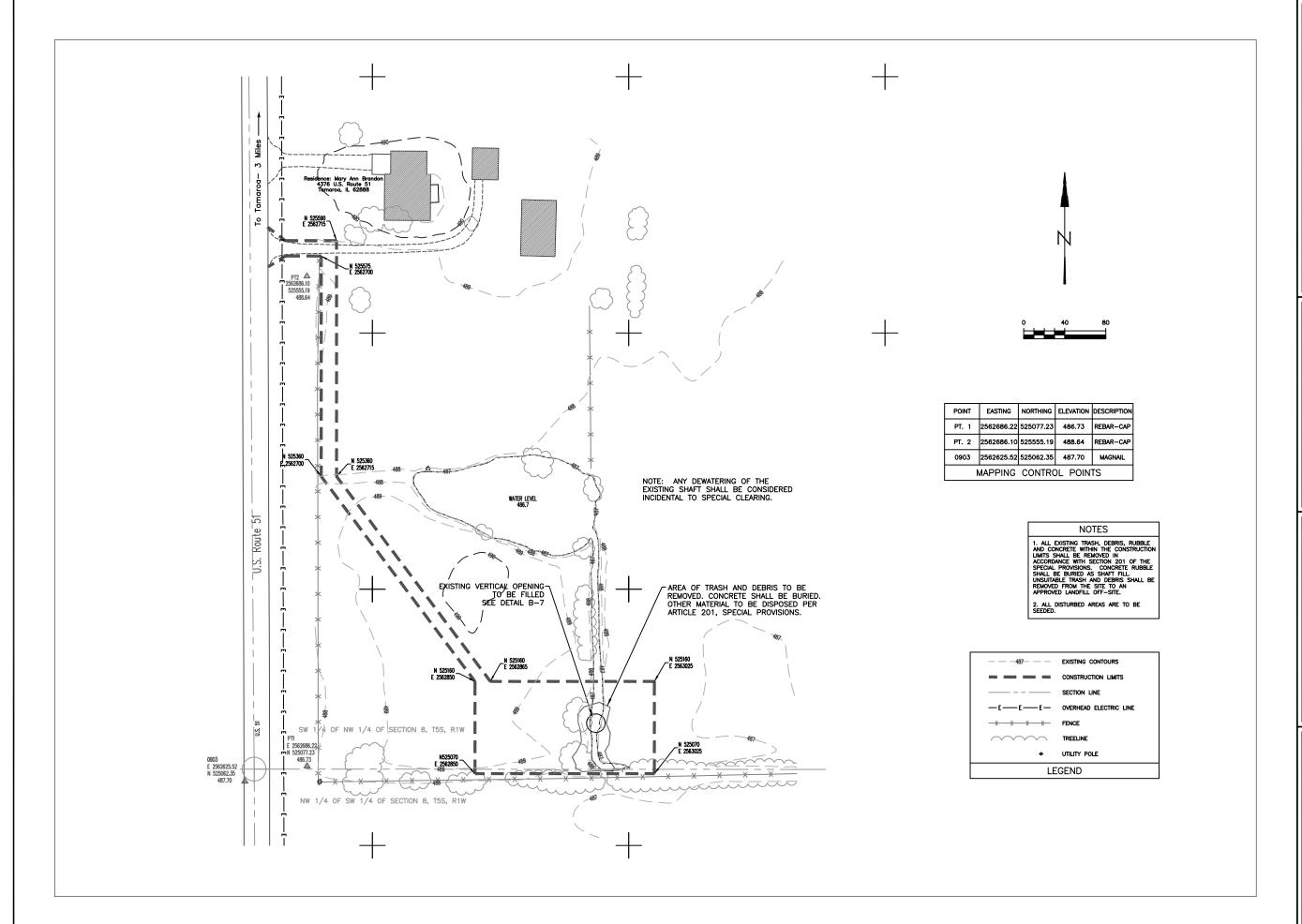
Willis Coal Mine #1

and Square Deal

AML-GRaE-1307

Randolph and Perry Counties

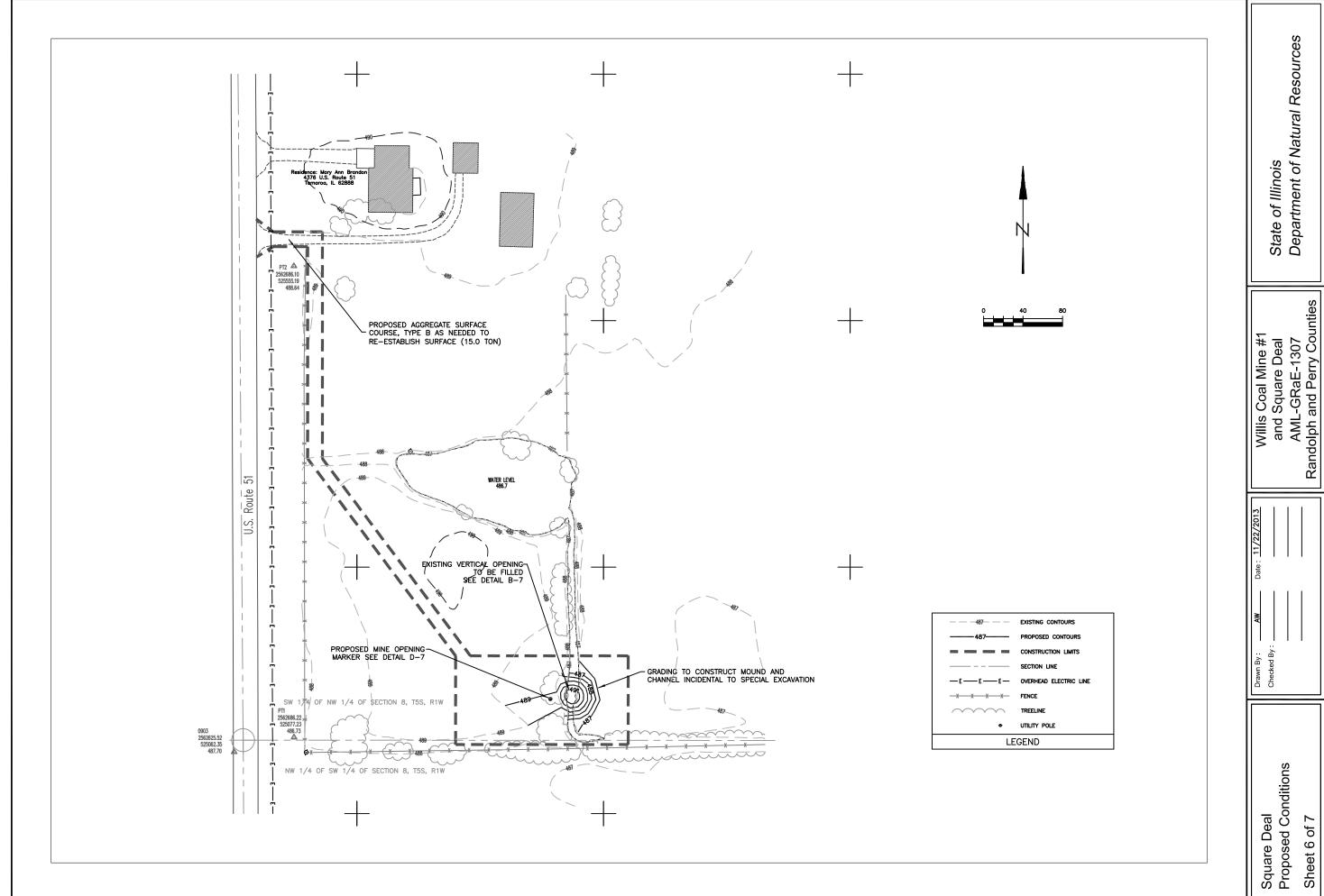
Willis Coal Mine #1 Proposed Conditions Sheet 4 of 7



State of Illinois Department of Natural Resources Willis Coal Mine #1 and Square Deal AML-GRaE-1307 Randolph and Perry Counties

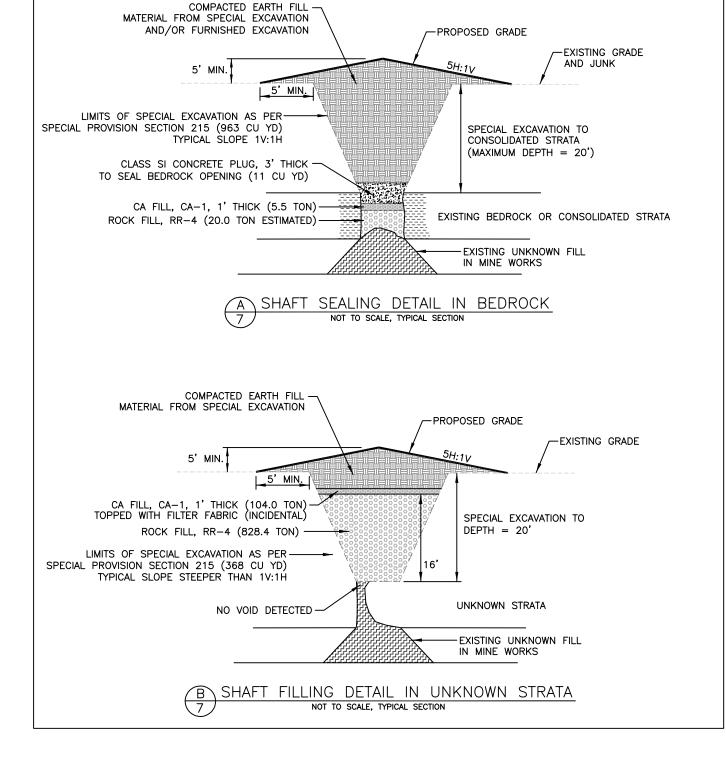
Square Deal Existing Conditions

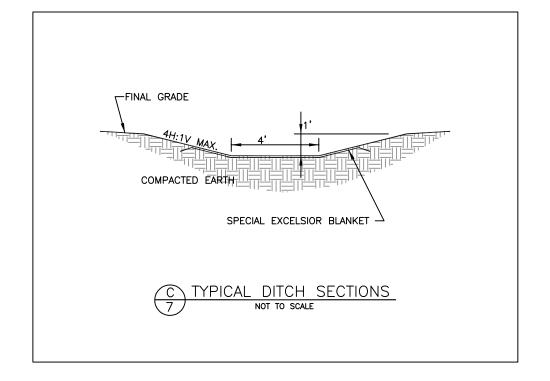
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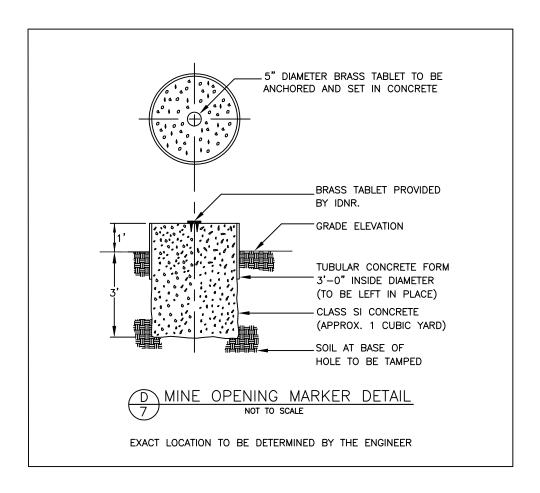


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- 1. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN THE SHAFT AREAS DUE TO THE UNKNOWN CONDITION OF THE SHAFTS AND THE UNKNOWN STABILITY OF THE SURROUNDING AREAS.
- 2. BASED UPON CONDITIONS ENCOUNTERED AS THE SPECIAL EXCAVATION PROCESS IS COMPLETED, THE ENGINEER RESERVES THE RIGHT TO INCREASE OR DECREASE THE VOLUME OF SPECIAL EXCAVATION AND BACKFILLING OF MATERIALS, AND THE ENGINEER RESERVES THE RIGHT TO ALTER THE METHOD OF BACKFILLING.
- 3. THE DIMENSIONS OF BOTH THE WILLIS COAL MINE #1 SHAFT AND THE SQUARE DEAL SHAFT ARE ESTIMATED TO BE 10' X 10'.
- 4. AFTER THE ROCK FILL, RR-4, HAS BEEN PLACED, THE CONTRACTOR SHALL SECURE THE AREA WITH TEMPORARY FENCING FOR A THREE DAY PERIOD TO ALLOW FOR SETTLEMENT BEFORE PROCEEDING WITH THE BACKFILLING. THE TEMPORARY FENCING SHALL BE INCIDENTAL TO THE ROCK FILL, RR-4.







Date: 11/22/2013	
Drawn By: AW Checked By:	

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